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D4011-5**Job Sheet 190970****Part No:** D4011-5**Job Qty:** 40 pcs**Part Name:** Clamp, Short**Part Weight:** 0 lbs**Status:** New**Priority:** Medium**Job Created:** 2/20/19**Job Tracking No:****Due Date:** 3/5/19**Created By:** Marie Lajeunesse**Type:** SOLD**Description:**

Note: DWG REV C IPP RevA: revB as per dwg 09.11.18 DD verified by:JLM IPP Rev:B 11.05.19 MADE IN HOUSE
DD verified by:EC

Ship Via:**Bill of Materials****Job Routing**

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Waterjet - Flow - 1	40 pcs		3/5/19	0.00	1.33	Waterjet - Flow		du 19/02/20
110	QC 2	40 pcs		3/5/19	0.00	0.00	QC 2 - 1		
							QC 2 - 12		
							QC 2 - 14		
							QC 2 - 17		
							QC 2 - 19		
							QC 2 - 2		
							QC 2 - 20		
							QC 2 - 22		
							QC 2 - 23		
							QC 2 - 25		
							QC 2 - 32		
							QC 2 - 33		
							QC 2 - 35		
							QC 2 - 39		
							QC 2 - 4		
							QC 2 - 40		
							QC 2 - 44		
							QC 2 - 45		
							QC 2 - 48		du 19/02/20
							QC 2 - 49		
							QC 2 - 50		
							QC 2 - 51		
							QC 2 - 52		
							QC 2 - 54		
							QC 2 - 56		
							QC 2 - 57		
							QC 2 - 62		
							QC 2 - 63		
							QC 2 - 8		

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120	QC 8	40 pcs	3/5/19	0.00 0.00	QC 2 - 66	
					QC 2 - 64	
					QC 8 - 12	
					QC 8 - 14	
					QC 8 - 17	
					QC 8 - 20	
					QC 8 - 25	
					QC 8 - 3	
					QC 8 - 32	
					QC 8 - 33	
					QC 8 - 35	
					QC 8 - 39	
					QC 8 - 4	
					QC 8 - 44	
					QC 8 - 45	
					QC 8 - 49	
					QC 8 - 58	
					QC 8 - 8	DAS
					QC 8 - 9	40
					QC 8 - 68	9-89
					QC 8 - 67	
					QC 8 - 1 (A)	
					QC 8 - 47	
130	Small Fab - Brake NC - B4B	40 pcs	3/5/19	0.00 2.79	Small Fab - Brake - 1 - B4B	DAS
					Small Fab - Brake - 2 - B4B	30
					Small Fab - Brake - 3 - B4B	9-89
140	QC 5	40 pcs	3/5/19	0.00 0.00	QC 5 - 10	
					QC 5 - 12	
					QC 5 - 17	
					QC 5 - 18	
					QC 5 - 19	
					QC 5 - 22	
					QC 5 - 24	
					QC 5 - 3	
					QC 5 - 42	
					QC 5 - 43	
					QC 5 - 49	
					QC 5 - 51	
					QC 5 - 58	
					QC 5 - 68	
					QC 5 - 9	MAR 11 2019
					QC 5 - 50	DAS
					QC 5 - 30	40
150	Packaging 3-1 - Stock - B4B	40 pcs	3/5/19	0.00 0.00	Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	ST542 DP
					Packaging 3 - 6 - B4B	MAR 11 2019
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
					Packaging 3 - 13 - B4B	
					Packaging 3 - 14 - B4B	

				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
160	QC 21 - SA	40 pcs	3/5/19	0.00 0.00	QC 21 - SA - 21
					QC 21 - SA - 70
					QC 21 - SA - 53

Part Op **100** - 1-Cut as per Dwg Dwg Rev: C Prog Rev: C 2-Deburr if necessary
 Descriptions: **110** - QC2- Inspect parts off machine FAI/FAIB
120 - QC8- Inspect parts - second check
130 - Form as per dwg DT9709
140 - QC5- Inspect part completeness to step on W/O
150 - Identify as per dwg & Stock Location: _____
160 - QC21- Final Inspection - Work Order Release

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M304S14GA	304SS sheet .080	2.6400 sf (.066 ea)	100-Waterjet - Flow - 1	S152141

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Waterjet - Flow - 1	M304S14GA	3	20	0

Part Specifications					
Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	Clamp, Short	0.266Inches + 0.006 - 0.001	0.272 0.265		Diameter
2	Clamp, Short	0.328Inches ± 0.010	0.338 0.318		
3	Clamp, Short	0.750Inches ± 0.030	0.780 0.720		
4	Clamp, Short	1.000Inches ± 0.030	1.030 0.970		
5	Clamp, Short	1.250Inches ± 0.030	1.280 1.220		
6	Clamp, Short	0.250Inches ± 0.030	0.280 0.220		
7	Clamp, Short	0.130Inches ± 0.030	0.160 0.100		
8	Clamp, Short	4.490Inches ± 0.030	4.520 4.460		
9	Clamp, Short	1.550Inches ± 0.030	1.580 1.520		
10	Clamp, Short	5.954Inches ± 0.010	5.964 5.944		
11	Clamp, Short	6.770Inches ± 0.010	6.780 6.760		
12	Clamp, Short	7.580Inches ± 0.030	7.610 7.550		
13	Clamp, Short	0.080Inches ± 0.010	0.090 0.070		

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Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor		
			QC / QA Coordinator		
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					



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Container No: S156404



Part: D4011-5

Job No: 190970

Serial No/Batch: S156404

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Date: 02/25/19